

SECRET**PRIORITY**

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 S E C R E T CITE NPIC 2087.

MISSION GL G-987

25 OCT 67

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
 AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-987, 23 OCT 67.

((TEXT WHICH FOLLOWED WAS IDENTICAL TO ABOVE CITED MSN G-987))

SECRET

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*with text

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Declass Review by NGA

SECRET

GROUP 1
 Excluded from automatic
 downgrading and
 declassification

MISSION GL 0-987

25 OCT 67

OUT63430

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION 0-987, 23 OCT 67.

THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMIREX TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C CLEAR, SC SCATTERED CLOUD COVER, HC HEAVY CLOUD COVER, H HAZE, CS CLOUD SHADOW, SD SEMIDARKNESS, GC GROUND COVER, CF CAMOUFLAGE, O OBLIQUITY, AND GR GROUND RESOLUTION.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G GOOD, F FAIR, OR P POOR. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T TOTAL OR PT PARTIAL. THE MODE OF COVERAGE IS SIGNIFIED BY ST STEREO, NS NONSTEREO, OR PS PARTIAL STEREO.

AAA DEFENSES ARE DIVIDED INTO FOUR BASIC CATEGORIES -- LIGHT 021-75 MM, MEDIUM 076-100 MM, HEAVY OVER 100 MM, AND AUTOMATIC WEAPONS 0ZPU-1, ZPU-2, AND ZPU-4. IF THE CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED BY EXAMPLE -- 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED.

MISSILES

HOLGUIN SAM SITE B27-2 CU 2052N 07627W
OB -- 6 EMPLACED LAUNCHERS 03 WITH MISSILES, 8 MISSILE TRANSPORTERS 01 WITH EXPOSED MISSILES, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AN ACQUISITION RADAR WITH GENERATOR VAN, 7 ZIL-157V TRUCK TRACTORS, AND 1 OTHER VAN TRAILER.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W
OB -- 6 EMPLACED LAUNCHERS, 4 MISSILE TRANSPORTERS 01 WITH EXPOSED MISSILES, A FAN SONG RADAR, 1 TRUCK-MOUNTED CRANE, 3 VAN TRAILERS, AND 5 VEHICLES/PIECES OF EQUIPMENT.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

HOLGUIN SAM SITE WEST CU 2051N 07627W
OB -- NONE.
CONSTRUCTION CONTINUES.

SANTIAGO DE CUBA SAM SITE 2 CU 1958N 07549W
OB -- NONE OBSERVED.

CONSTRUCTION CONTINUES. FOUR BARRACKS AND 1 OTHER

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BUILDING ARE COMPLETE.

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PALMA SORIANO SAM SITE A02-2 CU 2015N 07559W
OB -- 6 EMPLACED LAUNCHERS, AN OCCUPIED GUIDANCE AREA,
AND AT LEAST 10 MISSILE TRANSPORTERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

LA VEGUITA SAM ASSEMBLY AREA CU 2045N 07615W
OB -- 5 MISSILE TRANSPORTERS, 5 MISSILE CANISTER
TRANSPORTERS, NUMEROUS MISSILE CANISTERS, 10 CARGO
TRUCKS, AND 2 TRUCK-MOUNTED CRANES.
NO APPARENT CHANGE IN FACILITIES.

SAN PEDRO DE CACOCUM SAM SITE A06-2 CU 2045N 07615W
OB -- 6 EMPLACED LAUNCHERS 01 WITH MISSILES, A FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND 2
VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

LA MAYA SAM SITE A35-2 CU 2014N 07540W
OB -- 6 EMPLACED LAUNCHERS 03 WITH MISSILES, 1
ADDITIONAL LAUNCHER, 9 MISSILE TRANSPORTERS, A FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS, AN ACQUISITION
RADAR WITH GENERATOR VAN, 3 VAN TRAILERS, AND 3 CARGO
TRUCKS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

AIR FACILITIES

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W
OB -- 1 COLT AND 6 HOUND.

HOLGUIN AIRFIELD CU 2047N 07618W
OB -- 5 FISHBED, 15 FAGOT/FRESCO, AND 1 HOUND.

LOS CANOS AIRFIELD CU 2005N 07509W
OB -- 1 COLT.

ANTONIO MACEO AIRFIELD CU 1958N 07550W
OB -- 2 LIGHT AND 1 MEDIUM STRAIGHT-WING.

NAVAL ACTIVITY/PORTS

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W
OB -- NONE OBSERVED.
VESSELS -- 7 LARGE FREIGHTERS AND 2 COASTAL FREIGHTERS.

CAIBARIEN PORT CU 2031N 07928W
VESSELS -- NONE.

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HOLGUIN RADAR SITE CU 2848N 87618W
OB -- NONE OBSERVED.

PUNTA MAISI LOW SIEVE RADAR SITE CU 2814N 87489W
OB -- 1 LOW SIEVE RADAR.

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2829N 87688W
OB -- AREA 1 -- 6 CARGO TRUCKS. AREA 2 -- 14 CARGO TRUCKS AND 11 FA PIECES. AREA 3 -- 16 FA PIECES, 14 CARGO TRUCKS, AND 2 OTHER VEHICLES. AREA 4 -- 13 TANKS/SP GUNS, 33 CARGO TRUCKS, AND 2 OTHER VEHICLES. AREA 5 -- 15 BTR-60P, 12 FA PIECES/MORTARS, 39 CARGO TRUCKS, AND 4 OTHER VEHICLES. AREA 6 -- 25 CARGO TRUCKS. AREA 7 -- 5 BTR-60P, 11 BTR-152, 9 PROBABLE FA PIECES/MORTARS, AND 12 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

DOS CAMINOS MILITARY CAMP CU 2814N 87547W
OB -- 31 FA PIECES, 6 PROBABLE AAA PIECES, 9 TRACKED PRIME MOVERS, 69 CARGO TRUCKS, AND 5 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

GUANTANAMO AREA CU 2818N 87525W
NO NEW MILITARY ACTIVITY OBSERVED.
AREA 1 -- 98 PERCENT USEABLE COVERAGE.
AREAS 2 AND 4-8 -- 88 PERCENT USEABLE COVERAGE.
AREA 3 -- 68 PERCENT USEABLE COVERAGE.
AREA 9 -- 58 PERCENT USEABLE COVERAGE.

HOLGUIN MILITARY CAMP EAST CU 2853N 87613W
OB @MAIN CAMP -- 18 TANKS/SP GUNS, 32 FA PIECES, 41 AAA PIECES, 29 MORTARS, 8 BTR-60P, 83 CARGO TRUCKS, 7 UTILITY TRUCKS, AND 6 OTHER VEHICLES/PIECES OF EQUIPMENT.
OB @CAMP 2.2 NM SE -- 5 FA PIECES, 4 MORTARS/AAA PIECES, 5 PROBABLE BTR-60P, 15 CARGO TRUCKS, AND 6 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

HOLGUIN MILITARY CAMP NORTH CU 2857N 87616W
OB -- 5 TANKS/SP GUNS, 5 AAA PIECES, AND 27 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

SANTIAGO MILITARY CAMP CUABITAS CU 2883N 87548W
OB -- 7 PROBABLE TANKS/SP GUNS AND 9 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

EL CRISTO MILITARY INSTALLATION CU 2018N 07547W
OB -- 4 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

MINAS MILITARY CAMP FUNDICION CU 2127N 07734W
OB -- 18 TANKS/SP GUNS, 21 CARGO TRUCKS, AND 2 VAN TRUCKS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

OFELIA MILITARY CAMP CU 2006N 07530W
OB -- AT LEAST 7 TANKS/SP GUNS, 10 FA PIECES, 4 PROBABLE MORTARS, 47 CARGO TRUCKS, AND 1 TRUCK-MOUNTED CRANE.
ACTIVITY -- 4 OCCUPIED 6-GUN AAA SITES.
NO APPARENT CHANGE IN FACILITIES.

PUERTO PADRE MILITARY AREA CU 2111N 07639W
OB -- 4 PROBABLE TANKS/SP GUNS AND 2 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

PLAYA YATERITAS LANDING BEACH CU 1958N 07457W
NO NEW MILITARY ACTIVITY OBSERVED.

NICARO LANDING BEACH CU 2042N 07533W
AN OCCUPIED 6-GUN AAA SITE IS LOCATED AT UTM 18QVT422892.
QMAP REFERENCE -- AMS SERIES E723, SHEET 5078-II, 2D ED.

IMIAS LANDING BEACH CU 2005N 07440W
NO NEW MILITARY ACTIVITY OBSERVED.

MOA GPUNTA GORDAN LANDING BEACH CU 2039N 07453W
NO NEW MILITARY ACTIVITY OBSERVED.

MOA GCANANOVA LANDING BEACH CU 2039N 07502W
NO NEW MILITARY ACTIVITY OBSERVED.

SANTA ANA MILITARY CAMP CU 2048N 07612W
AREA 1 -- FACILITIES INCLUDE 4 BARRACKS, 1 ADMINISTRATION BUILDING, 5 VEHICLE SHEDS, AND 7 OTHER SUPPORT BUILDINGS.
AREA 2 -- FACILITIES INCLUDE 17 BARRACKS, 3 ADMINISTRATION BUILDINGS, 6 VEHICLE SHEDS, 8 SUPPORT BUILDINGS, AND 8 BUILDINGS UNDER CONSTRUCTION.
OB -- 6 TANKS/SP GUNS, 3 PROBABLE TANKS/SP GUNS, PROBABLE BRDM, 24 CARGO TRUCKS, AND 10 UTILITY TRUCKS.

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THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--
CAYO DE SABINAL LAND BEACH 214 07728W

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

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| SANTIAGO DE CUBA SAM SITE A23-2 | 1959N 07550W |
| SANTIAGO DE CUBA SAM ASSEMBLY AREA | 2004N 07553W |
| SANTIAGO SAM TRAINING AREA | 1958N 07551W |
| SANTIAGO DE CUBA EW/OCI RADAR SITE | 1959N 07551W |
| SANTIAGO DE CUBA EW/OCI RADAR SITE 2 | 2005N 07551W |
| LA SOCAPA LOW SIEVE RADAR SITE | 1958N 07552W |
| PUNTA MULAS SUSPECT LOW SIEVE RADAR SITE | 2101N 07535W |
| SANTIAGO MILITARY CAMP LA QUINTA | 2002N 07551W |
| SANTIAGO DE CUBA MILITARY BKS NW | 2003N 07554W |
| SANTIAGO DE CUBA MILITARY CAMP NW | 2003N 07553W |
| SANTIAGO DE CUBA MIL CAMP SAN JUAN HILL | 2001N 07547W |
| MAR VERDE LANDING BEACH | 1957N 07556W |
| SANTIAGO MIL LCAMP SW EARTH-COVERED BUNKER | 1959N 07550W |